X.500 System and methods including searching

The present invention addresses the problem of implementing X.500 using an SQL product. The present application discloses an application of X.500 to a relational database, a database design and use of the database to perform X.500 services. Particularly, the disclosure relates to implementation using an RDBMS (Relational Database Management System). A method of searching an area of such a database is described using search services which is efficient for even very large databases.
# EUROPEAN SEARCH REPORT

**Application Number**

EP 03 00 2796

## DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of document with indication, where appropriate, of relevant passages</th>
<th>Relevant to claim</th>
<th>CLASSIFICATION OF THE APPLICATION (Int.Cl.)</th>
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</thead>
<tbody>
<tr>
<td>X</td>
<td>COOKE B E ET AL: &quot;DIRECTORY SERVICES IN THE HP MAP 3.0 ENVIRONMENT&quot; HEWLETT-PACKARD JOURNAL, HEWLETT-PACKARD CO. PALO ALTO, US, vol. 41, no. 4, 1 August 1990 (1990-08-01), pages 15-23, XP000149608 * page 23, column 1, line 1 - column 2, line 21 *</td>
<td>1-5,7, 13-16</td>
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<td>A</td>
<td>PERRUCHOUX F ET AL: &quot;A RELATIONAL DATA BASE DESIGN FOR AN X.500 DIRECTORY SYSTEM AGENT&quot; MESSAGE HANDLING SYSTEMS AND APPLICATION LAYER COMMUNICATION PROTOCOLS, AMSTERDAM, NL, 1991, pages 405-418, XP000672000 * the whole document *</td>
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<td>ORDILLE J J ET AL: &quot;NOMENCLATOR DESCRIPTIVE QUERY OPTIMIZATION FOR LARGE X.500 ENVIRONMENTS&quot; COMPUTER COMMUNICATION REVIEW, ASSOCIATION FOR COMPUTING MACHINERY. NEW YORK, US, vol. 21, no. 4, 1 September 1991 (1991-09-01), pages 185-196, XP000234936 ISSN: 0146-4833 * page 186, column 1, line 13 - page 186, column 2, line 3 * * page 187, column 1, line 20 - page 188, column 2, line 24 *</td>
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The present search report has been drawn up for all claims

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**Place of search**

The Hague

**Date of completion of the search**

18 February 2005

**Examiner**

Abbing, R

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**CATEGORY OF CITED DOCUMENTS**

T: theory or principle underlying the invention  
E: earlier patent document, but published on, or after the filing date  
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S: member of the same patent family, corresponding document
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18-02-2005

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<th>Patent document cited in search report</th>
<th>Publication date</th>
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<tr>
<td>US 5317742 A</td>
<td>31-05-1994</td>
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For more details about this annex: see Official Journal of the European Patent Office, No. 12/82